

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

01/14/2004 NDAITE1 00000047 501432 10754736

01 FC:1001	770.00 DA
02 FC:1202	450.00 DA
03 FC:1203	290.00 DA

02/10/2004 SDIRETA1 00000007 501432 10754736

01 FC:1202	160.00 DA
------------	-----------

PTO-1556  
(5/87)



# Facsimile Transmission

North Point, 901 Lakeside Avenue • Cleveland, Ohio 44114-1190 • (216) 586-3939  
 Facsimile: (216) 579-0212  
 dlpejeau@jonesday.com

January 20, 2004

Please hand deliver the following facsimile to:

Name: Deposit Account Branch

Company: U.S. Patent & Trademark Office

Telephone No.: 703-305-4632 or 4634

Send Copies To:

Facsimile No.: 703-308-6778

Number of pages (including this page): 7

From: Debra L. Pejeau

Title: Patent & Trademark Assistant

Direct Telephone No.: (216) 586-7387

JP No.: JP259360

CAM No.: 555255-012-682

☐ Copies distributed

Operator's Initials

Re: Deposit Account No. 501432  
 Serial No. 10/754,736

Originals Will Not Follow

NOTICE: This communication is intended to be confidential to the person to whom it is addressed, and it is subject to copyright protection. If you are not the intended recipient or the agent of the intended recipient or if you are unable to deliver this communication to the intended recipient, please do not read, copy or use this communication or show it to any other person, but notify the sender immediately by telephone at the direct telephone number noted above.

## Message:

Dear Sir or Madam,

Attached are copies of the following: a page from our Deposit Account Statement, a return receipt postcard stamped with the application number and filing date, the Fee Transmittal filed with the application, and pages 16-18 with Claims 1-17. We do not understand the \$450 charge for Fee Code 1202 for claims in excess of 20. We request a refund of \$450. Please advise. Thank you for your assistance.

Respectfully submitted,  
 Debra L. Pejeau

Please call us immediately if the facsimile you receive is incomplete or illegible. Please ask for the facsimile operator.

CLI-1158011V1

ATLANTA • BEIJING • BRUSSELS • CHICAGO • CLEVELAND • COLUMBUS • DALLAS • FRANKFURT • HONG KONG  
 HOUSTON • IRVINE • LONDON • LOS ANGELES • MADRID • MEMLO PARK • MILAN • MUNICH • NEW DELHI • NEW YORK  
 PARIS • PITTSBURGH • SAN FRANCISCO • SHANGHAI • SINGAPORE • SYDNEY • TAIPEI • TOKYO • WASHINGTON

01/20/04 TUE 16:20 [TX/RX NO 5047] 001



Express Mail No.: EV 243777225 US  
 Docket No.: 555255-012-682  
 Application No.: \_\_\_\_\_  
 Patent/Registration No.: \_\_\_\_\_  
 Trademark: \_\_\_\_\_

Date Mailed: 01/09/2004  
 Applicant: Gideon Roberts, et al.  
 Filing Date: 01/09/2004  
 Issue/Registration Date: \_\_\_\_\_  
 Title: APPARATUS AND METHOD FOR IMPLEMENTING  
NOTIFICATION OF SYSTEM INFORMATION...

THE USPTO ACKNOWLEDGES AND HAS STAMPED THE DATE OF RECEIPT OF THE ITEMS CHECKED BELOW:

\_\_\_\_ Affidavit (\_\_\_\_ pages)  
 \_\_\_\_ Amendment (\_\_\_\_ pages)  
☒ Application Papers  
     8 sheets of drawing(s) (formal/~~informal~~)  
     19 pages specification  
         15 pages description  
         3 pages claims  
         1 pages abstract  
 \_\_\_\_ pages of PCT Request  
 \_\_\_\_ PCT Calculation sheet

\_\_\_\_ Application Data Sheet  
 \_\_\_\_ Assignment (\_\_\_\_ pages)      \_\_\_\_ Assignment cover sheet  
 \_\_\_\_ Declaration (\_\_\_\_ pages)  
 \_\_\_\_ Declaration/Power of Attorney (\_\_\_\_ pages)  
☒ Fee Transmittal Form in duplicate  
 \_\_\_\_ IDS & PTO-1449 and  
     \_\_\_\_ cited item(s)  
 \_\_\_\_ Patent cover sheet

☒ Design Patent Application Transmittal  
☒ Utility Patent Application Transmittal  
 \_\_\_\_ Issue Fee Transmittal  
 \_\_\_\_ Maintenance Fee Transmittal Form  
 \_\_\_\_ Notice of Opposition  
 \_\_\_\_ Petition for Extension of Time  
 \_\_\_\_ Preliminary Amendment (\_\_\_\_ pages)  
 \_\_\_\_ Renewal Application (\_\_\_\_ pages)  
 \_\_\_\_ Response (\_\_\_\_ pages)  
 \_\_\_\_ Revocation of Power of Attorney and Appointment of New Attorney  
 \_\_\_\_ Small Entity Statement  
 \_\_\_\_ Specimens  
 \_\_\_\_ Statement of Use  
 \_\_\_\_ Status Inquiry  
 \_\_\_\_ Transmittal Letter  
 \_\_\_\_ Check - Amount \$ \_\_\_\_\_  
 \_\_\_\_ Other

17497 U.S. PTO  
 10/754736



010904

PTO/SB/17 (10-03)

Approved for use through 07/31/2008, OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**  
**for FY 2004**

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status: See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$ 1,060.00)**Complete if Known**

Application Number	
Filing Date	01/09/2004
First Named Inventor	Gideon Roberts
Examiner Name	
An Unit	
Attorney Docket No.	555255012682

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number: 501432 (555255012682)

Deposit Account Name: Jones Day

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	770
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$ 770.00)</b>

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims: 17  
Independent Claims: 1  
Multiple Dependent: 16

Extra Claims Fee from below Fee Paid

20\*\* = 0 x 18.00 = 0.00  
3\*\* = 0 x 85.00 = 0.00  
290 = 290

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$ 290.00)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	2182 2,520	For filing a request for ex parte reexamination	
1804 920*	2184 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	2185 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	2451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(d)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(e))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ 0.00)

(Complete if applicable)

<b>SUBMITTED BY</b>		<b>Registration No.</b>	<b>47,919</b>	<b>Telephone</b>	<b>216-586-3939</b>
Name (Print/Type): Joseph M. Sauer		Attorney/Agent		Date	01/09/2004
Signature:					

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

01/20/04 TUE 16:20 [TX/RX NO 5047] 004

## Claims

1. A method for broadcasting system information changes in a mobile telecommunications system, the system comprising a network of a plurality of cells and at least one user equipment device, the method comprising, in the network:

5 sending a first message indicating notification of a system information change and  
sending a repeat of the notification of a system information change.

2. A method according to claim 1 further comprising, when the notification of a system information change indicates that the system information change is to be implemented by a  
10 receiving device at a deferred time, sending the repeat of the notification of a system information change at a time relative to the deferred time.

3. A method according to claim 2 wherein the repeat of the notification of a system information change excludes an indication that the system information change is to be  
15 implemented by a receiving device at a deferred time.

4. A method according to claim 2 wherein the time is equal or less than 50 seconds from the deferred time.

20 5. A method according to claim 2 wherein the time is equal or less than 10 seconds from the deferred time.

6. A method according to claim 2 wherein the time is equal or less than 1 second from the deferred time.

25

7. A method according to claim 2 wherein the time is equal or less than 100 milliseconds from the deferred time.

8. A method according to claim 2 wherein the time is equal or less than 10 milliseconds from the deferred time.

9. A method according to claim 2 wherein the time is equal or less than 5 hours from the deferred time.

10. A method according to claim 2 wherein the repeat of the notification of a system information change is sent at a time that precedes the deferred time.

11. A method according to claim 1 further comprising sending a plurality of repeats of the notification of a system information change.

12. A method according to claim 11 wherein the repeats of the notification of a system information change are sent at regular intervals.

13. A method according to claim 1 wherein repeat of the notification of a system information change is sent in a SYSTEM INFORMATION CHANGE INDICATION message transmitted on a broadcast control channel.

14. A method according to claim 13 wherein the repeat of the notification of a system information change is sent in an Information Element "BCCH modification info" contained in a SYSTEM INFORMATION CHANGE INDICATION message.



15. Apparatus for broadcasting system information changes in a mobile telecommunications system, the system comprising a network of a plurality of cells and at least one user equipment device, the apparatus in the network being arranged, in use, to implement the method of any of claims 1 to 14.

5 16. A computer program comprising program code for performing the steps of any of claims 1 to 14.

10 17. A computer program product comprising program code stored on a computer readable medium for performing the method of any of claims 1 to 14.

# PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2003

Application or Docket Number

10754736

## CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

TOTAL CLAIMS	17	
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	55 minus 20 =	*25
INDEPENDENT CLAIMS	1 minus 3 =	-
MULTIPLE DEPENDENT CLAIM PRESENT <input checked="" type="checkbox"/>		

\* If the difference in column 1 is less than zero, enter "0" in column 2

## CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

(Column 1)

(Column 2)

(Column 3)

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

(Column 1)

(Column 2)

(Column 3)

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

SMALL ENTITY TYPE ☐

OR OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	385.00
X\$ 9=	
X43=	
+145=	
TOTAL	

RATE	FEE
BASIC FEE	770.00
X\$18=	450
X86=	
+290=	290
TOTAL	1570

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDI-TIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL	
ADDIT. FEE	

RATE	ADDI-TIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL	
ADDIT. FEE	

RATE	ADDI-TIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL	
ADDIT. FEE	

RATE	ADDI-TIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL	
ADDIT. FEE	

RATE	ADDI-TIONAL FEE
X\$ 9=	
X43=	
+145=	
TOTAL	
ADDIT. FEE	

RATE	ADDI-TIONAL FEE
X\$18=	
X86=	
+290=	
TOTAL	
ADDIT. FEE	

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.